




# MI Roadmap: Transforming Education Through Technology

Michigan State Board of Education

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*No matter where students live, they should have access to the same high-quality educational opportunities as any other student in Michigan.*

*Likewise, teachers across the state should have equitable opportunities to learn and excel in their profession no matter where they live and teach.*



*MDE Top 10 in 10 Years, Goals and Strategies, 2016*

# Personalized Learning



# Collaborative Effort



# Alignment with Top 10 in 10 Years

Top 10 in 10 Years Strategic Goals	Alignment within MI Roadmap
Goal 1. Provide every child access to an aligned, high-quality P-20 system from early childhood to post-secondary attainment – through a multi-stakeholder collaboration with business and industry, labor, and higher education – to maximize lifetime learning and success.	MI Roadmap is focused on a vision for learning transformation supported by strong collaborative partnerships with stakeholders.
Goal 2. Implement with strong district and building leadership, high-quality instruction in every classroom through a highly coherent, child-centered instructional model where students meet their self-determined academic and personal goals to their highest potential.	Students are at the center of MI Roadmap, which supports a personalized learning model that will prepare all students for success in life.
Goal 3. Develop, support, and sustain a high-quality, prepared, and collaborative education workforce.	Through intentional collaboration, support, and leveraging of resources as described in this plan, educators will develop the skills necessary to prepare students for their future.
Goal 4. Reduce the impact of high-risk factors, including poverty, and provide equitable resources to meet the needs of all students to ensure that they have access to quality educational opportunities.	Equitable access for all students is a key tenet of MI Roadmap. Access to high quality educators, content, technology, and learning opportunities must be the right of each student, regardless of zip code or circumstance.
Goal 5. Ensure that parents/guardians are engaged and supported partners in their child's education.	Partnering with families, communities, and other stakeholders is a priority throughout the plan.
Goal 6. Create a strong alignment and partnership with job providers, community colleges, and higher education to assure a prepared and quality future workforce, and informed and responsible citizens.	The plan supports learning aligned with students' talents, skills, and interests; and supports personalized pathways developed and nurtured through experiences with higher education, community agencies, and job providers.
Goal 7. Further develop an innovative and cohesive state education agency that supports an aligned, coherent education system at all levels (state, ISD, district, and school).	Alignment of systems, resources, and efforts is crucial to the successful implementation of MI Roadmap. Goals and strategies challenge all educational partners to collaborate in new ways to propel learning transformation.



# The Plan: Designing Next Generation Learning

- Learner-driven
- Personalized
- Deep and applied
- Competency-based
- Technology-enabled
- Equitable



# Goal One: Learning

*Learners will have **engaging** and **empowering** learning experiences in both **formal** and **informal** settings in order to learn the skills necessary to become **global citizens** successful in the workplace and society.*



# Learning Strategies

- Leverage technology to create learning pathways
- Create environments wherein students:
  - Utilize technology and tools strategically in learning
  - Apply argument and reason to inform research, construct arguments
  - Design solutions to problems
  - Collaborate, communicate clearly, and express themselves creatively for local and global audiences and purposes
  - Understand the rights and responsibilities of living, learning, and working in a digital world, and the importance of demonstrating behaviors that are safe, ethical and self-aware



## Goal Two: Teaching

*Educators will be **supported in understanding the skills** necessary for students to become global citizens successful in the workplace and society; and in using instructional technology as an **accelerator** for student learning.*

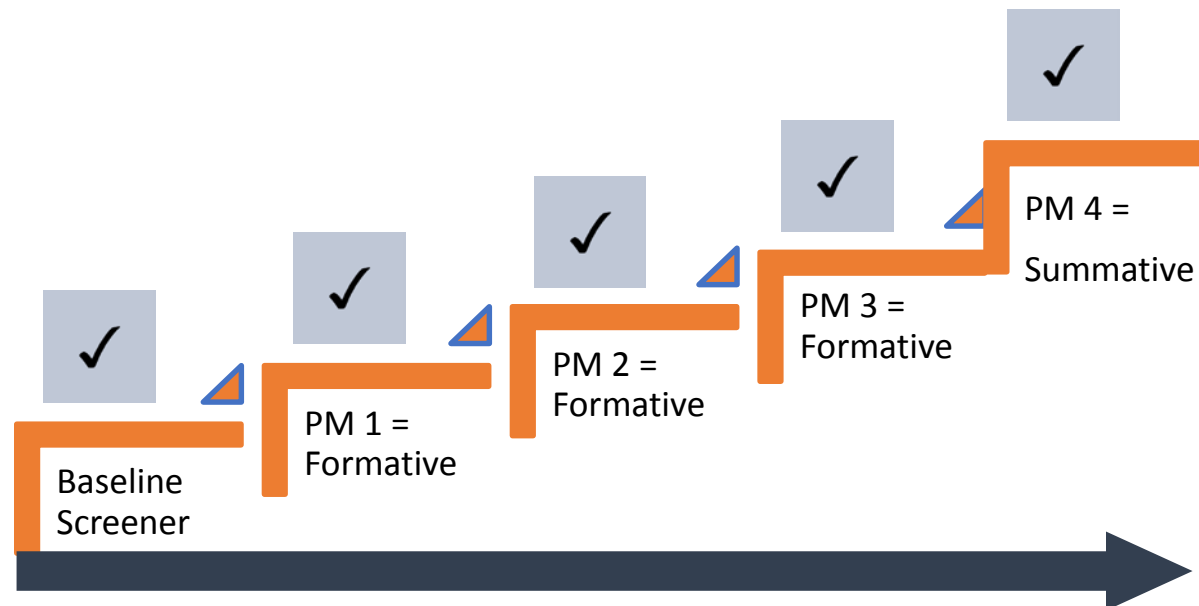


# Teaching Strategies

- Increase teacher competencies in designing curriculum, instruction, and assessment with technology integration
- Design personalized learning opportunities for teachers to effectively use digital tools and resources and become lifelong learners and leaders
- Develop a system that supports educators in personalizing instruction through technology-enabled use of student data

# Goal Three: Assessment

*Learners and educators leverage technology to productively measure competency and provide meaningful **feedback** to support the personalization of learning for all students.*



# Assessment Strategies

- Support districts in developing a culture of balanced assessment and ensuring stakeholders become assessment literate
- Assist educators in developing ways to measure student mastery of standards and competencies in a personalized learning system
- Engage educators in exploring emerging technologies that support instructional engagement and assessment
- Ensure districts utilize a common data standard to collaborate with and share screening, formative, interim, and summative data sets

# Goal Four: Leadership

*Educational leaders will create **transformational, equitable,** technology-rich environments supporting a vision for personalized learning.*





# Leadership Strategies

- Create a shared vision for 21<sup>st</sup> century learning that leverages technology and other resources to support learning, teaching, and assessing
- Develop a coherent personalized learning system for all students and educators
- Support leaders in creating a robust infrastructure and building human capacity necessary to fully implement a vision for transformative learning enabled by technology
- Ensure that educators access opportunities for personalized professional learning.

# Goal Five: Infrastructure

*Learners and educators will have **access** to a robust, secure, and comprehensive infrastructure to support **everywhere, all-the-time learning**.*



# Infrastructure Strategies

- *Ensure learners and educators have equitable access to technology-rich, everywhere, all-the-time learning*
- *Provide learners and educators with access to high-quality digital content supporting transformational learning experiences*
- *Support implementation of student data and privacy policies governing access to educator and learner data, and ensure that educators, students, and families understand their rights and responsibilities concerning data*

# Next Steps

- Continue to share with stakeholder groups
- Work with stakeholder groups on implementation planning
- Establish **target timelines for implementation** and priorities
- In support of teaching and learning goals, adopt International Society of Technology in Education (ISTE) Standards to replace 2009 Michigan Educational Technology Standards (METS)